

Accordingly, the eyeglass device in accordance with the present invention includes an auxiliary spectacle frame that may be stably secured to the primary spectacle frame and will not move downward relative to the primary spectacle frame and will not be easily disengaged from the primary 15 spectacle frame when the users conduct jogging or jumping exercises. In addition, the magnetic members are not embedded in the frames such that the strength of the frames will not be decreased.

Although this invention has been described with a certain 20 degree of particularity, it is to be understood that the present disclosure has been made by way of example only and that numerous changes in the detailed construction and the combination and arrangement of parts may be resorted to without departing from the spirit and scope of the invention 25 as hereinafter claimed.

1 claim:

1. An eyeglass device comprising:

a primary spectacle frame for supporting primary lenses 30 therein, said primary spectacle frame including two side portions each having an extension extended therefrom for pivotally coupling a leg means thereto, said primary spectacle frame including two rear and side

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portions each having a projection secured thereto, said
primary spectacle frame including an upper side por-
tion,
5 a pair of first magnetic members secured in said projec-
tions respectively,
an auxiliary spectacle frame for supporting auxiliary
lenses therein, said auxiliary spectacle frame including
two side portions each having an arm extended there-

from, with at least one arm for extending over [and for engaging with] said

15 upper side portion of said primary spectacle frame, and
a pair of second magnetic members secured to said arms,
respectively for engaging with said first magnetic mem-
bers of said primary spectacle frame so as to secure said
auxiliary spectacle frame to said primary spectacle
frame,

at least one of said arms being [engaged with and] supported on said upper

20 side portion of said primary spectacle frame so as to
allow said auxiliary spectacle frame to be stably sup-
ported on said primary spectacle frame and so as to
prevent said auxiliary spectacle frame from moving
downward relative to said primary spectacle frame and,
so as to prevent said auxiliary spectacle frame from
25 being disengaged from said primary spectacle frame.

2. An eyeglass device according to claim 1, wherein said
projections and said first magnetic members are arranged
lower than said upper side portion of said primary spectacle
frame, said second magnetic members are extended down-
ward toward said projections for hooking on said primary
30 spectacle frame so as to further secure said auxiliary spec-
tacle frame to said primary spectacle frame.

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3. An eyeglass device as recited in claim 1 wherein the first and the second magnetic members are magnets.
4. An eyeglass device as recited in claim 1 wherein:
the primary spectacle frame includes two upper side portions, each upper side portion for supporting one of said arms.
5. An eyeglass device comprising:
a primary spectacle frame for supporting primary lenses therein;
the primary spectacle frame including two side portions;
each side portion having an extension extended therefrom for pivotally coupling a leg thereto;
the primary spectacle frame including a projection extending from each said side portion;
each projection securing a first magnetic member; and
the primary spectacle frame including an upper portion; and

an auxiliary spectacle frame for supporting auxiliary lenses therein;
the auxiliary spectacle frame including two auxiliary side portions;
each said auxiliary side portion having an arm extended therefrom;
with at least one arm being configured to extend over the upper portion of the primary spectacle frame;
each arm securing a second magnetic member;
each second magnetic member configured to engage with one of the first magnetic members of the primary spectacle frame; and
the upper portion supports at least one arm of the auxiliary frame.
6. An eyeglass device as recited in Claim 5 wherein the upper portion is an upper part of one of the side portions.
7. An eyeglass device as recited in Claim 5 wherein the first and the second magnetic members are magnets.
8. An eyeglass device as recited in Claim 7 wherein the first magnetic members are not in contact with the second magnetic members.
9. An eyeglass device as recited in Claim 8 wherein the upper portion is an upper part of one of the side portions.
10. An eyeglass device comprising:
a primary spectacle frame for supporting primary lenses therein;
the primary spectacle frame including two side portions;
each side portion having an extension extended therefrom for pivotally coupling a leg thereto;
the primary spectacle frame including a projection extending from each said side portion;
each projection securing a first magnetic member; and
the primary spectacle frame including an upper means; and

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an auxiliary spectacle frame for supporting auxiliary lenses therein;
the auxiliary spectacle frame including two auxiliary side portions;
each said auxiliary side portion having an arm extended therefrom;
with at least one arm being configured to extend over the upper means
of the primary spectacle frame;

each arm securing a second magnetic member;
each second magnetic member configured to engage with one of the
first magnetic members of the primary spectacle frame; and
the upper means supports at least one arm of the auxiliary frame.

11. An eyeglass device as recited in claim 10 wherein:
the first and the second magnetic members are magnets; and
the upper means is an upper part of one of the side portions.

12. An eyeglass device comprising:

a primary frame for supporting primary lenses therein;
the primary spectacle frame including two side portions;
each side portion having an extension extended therefrom for pivotally
coupling a leg thereto; and
the primary spectacle frame including two first magnets, each secured
to one of the side portions of the primary frame; and

an auxiliary frame for supporting auxiliary lenses therein, and for
disposing in front of the primary frame;
the auxiliary spectacle frame including two auxiliary side portions; and
the auxiliary frame including two second magnets, each secured to one
of the auxiliary side portions, for engaging on a horizontal position with one of
the first magnets so as to secure the auxiliary frame to the primary frame.

13. An eyeglass device as recited in Claim 12 wherein:

the primary spectacle frame includes a projection extending from each
of its side portion;

each projection secures one of the first magnets;
the primary spectacle frame includes an upper portion;
each said auxiliary side portion has an arm extended therefrom;
at least one arm is configured to extend over the upper portion of the
primary spectacle frame;

each arm secures one of the second magnets; and
the upper portion is an upper part of one of the side portions.

14. A primary eyeglass device adapted to stably support an auxiliary
spectacle frame, which includes two auxiliary side portions, each auxiliary side
portion having an arm extended therefrom, and each arm securing a first
magnetic member,

the primary eyeglass device comprising:

a primary spectacle frame for supporting primary lenses therein;

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the primary spectacle frame including two primary side portions;
each side portion having an extension extended therefrom for pivotally 8
coupling a leg thereto;

the primary spectacle frame including a projection extending from each
said side portion;

each projection securing a second magnetic member;

the primary spectacle frame including an upper portion; and

when the primary frame is supporting the auxiliary frame,

each second magnetic member engages with one of the first
magnetic members;

the upper portion being extended over by at least one arm of the
auxiliary frame; and

the upper portion supports at least one arm of the auxiliary
frame.

15. A primary eyeglass device as recited in Claim 14 wherein the upper
portion is an upper part of one of the primary side portions.

16. An auxiliary eyeglass device comprising:

an auxiliary spectacle frame for supporting auxiliary lenses therein;

the auxiliary spectacle frame including two auxiliary side portions;

each auxiliary side portion having an arm extended therefrom; and

each arm securing a first magnet;

the auxiliary spectacle frame being adapted to be stably supported on a
primary spectacle frame, which includes two primary side portions, each side
portion securing a second magnetic member, the primary spectacle frame also
including an upper portion; and

when the auxiliary frame is supported by the primary frame,

each first magnet engages with one of the second magnetic
members; and

at least one arm of the auxiliary frame extending over the upper
portion.

17. An auxiliary eyeglass device as recited in Claim 16 wherein
when the auxiliary frame is supported by the primary frame, at least one
arm of the auxiliary frame is supported by the upper portion of the
primary frame, which is an upper part of one of the primary side
portions.

18. An auxiliary eyeglass device adapted to be stably supported on a
primary spectacle frame, which includes two primary side portions, each said
side portion securing a first magnetic member, the primary spectacle frame also
including an upper portion, the auxiliary eyeglass device comprising:

an auxiliary spectacle frame for supporting auxiliary lenses therein;

the auxiliary spectacle frame including two auxiliary side portions;

each auxiliary side portion having an arm extended therefrom;

each arm securing a second magnet; and

when the auxiliary frame is supported by the primary frame.

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each second magnet engages with one of the first magnetic members of the primary spectacle frame; and
at least one arm of the auxiliary frame extending over the upper portion.

19. An auxiliary eyeglass device as recited in Claim 18 wherein when the auxiliary frame is supported by the primary frame, at least one arm of the auxiliary frame is supported by the upper portion of the primary frame, which is an upper part of one of the primary side portions.

20. A primary eyeglass device comprising:
a primary spectacle frame for supporting primary lenses therein;
the primary spectacle frame including two primary side portions;
each side portion having an extension extended therefrom for pivotally coupling a leg thereto;

the primary spectacle frame including a projection extending from each said side portion;

each projection securing a first magnet; and
the primary spectacle frame including an upper portion;

the primary frame adapted to stably support an auxiliary spectacle frame, which includes two auxiliary side portions each securing a second magnetic member; and

when the primary spectacle frame is supporting the auxiliary spectacle frame,

the upper portion is extended over by at least one of the auxiliary side portions;

the upper portion supports at least one of the auxiliary side portions; and

each first magnet engages with one of the second magnetic members.

21. A primary eyeglass device as recited in Claim 20 wherein the upper portion is an upper part of one of the primary side portions.

22. A primary eyeglass device adapted to stably support an auxiliary spectacle frame, the auxiliary spectacle frame for supporting auxiliary lenses therein, and for disposing in front of the primary frame, the auxiliary spectacle frame including two auxiliary side portions, each auxiliary side portion having an arm extended therefrom, and each arm securing a first magnet.

the primary eyeglass device comprising:

a primary spectacle frame for supporting primary lenses therein;

the primary spectacle frame including two side portions;

each side portion having an extension extended therefrom for pivotally coupling a leg thereto;

the primary spectacle frame including a projection extending from each said side portion;

each projection securing a second magnet; and

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when the primary frame is supporting the auxiliary frame, each second magnet is coupled to, but not in contact with, one of the first magnets on a horizontal position so as to secure the auxiliary frame to the primary frame.

23. An eyeglass device as recited in Claim 4 wherein each upper side portion is an upper part of one of the side portions of the primary spectacle frame.

24. An eyeglass device as recited in Claim 23 wherein the magnetic members are magnets.

25. An eyeglass device as recited in Claim 1 wherein at least the end portion of one arm extends downward toward one of the projections for hooking on the primary spectacle frame so as to further stably support and secure the auxiliary spectacle frame to the primary spectacle frame.

26. An eyeglass device as recited in Claim 5 wherein at least the end portion of one arm extends downward toward one of the projections for hooking on the primary spectacle frame such that the auxiliary spectacle frame is further stably supported and secured to the primary spectacle frame.

27. An eyeglass device as recited in Claim 10 wherein at least the end portion of one arm extends downward toward one of the projections for hooking on the primary spectacle frame such that the auxiliary spectacle frame is further stably supported and secured to the primary spectacle frame.

28. An eyeglass device as recited in Claim 12 wherein at least the end portion of one auxiliary side portion extends downward toward one of the side portions of the primary spectacle frame for hooking on the primary spectacle frame such that the auxiliary spectacle frame is further stably supported and secured to the primary spectacle frame.

29. An auxiliary eyeglass device as recited in Claim 16 wherein when the auxiliary frame is supported by the primary frame, at least the end portion of one arm extends downward toward one of the side portions of the primary spectacle frame for hooking on the primary spectacle frame such that the auxiliary spectacle frame can be further stably supported and secured to the primary spectacle frame.

30. An auxiliary eyeglass device as recited in Claim 18 wherein when the auxiliary frame is supported by the primary frame, at least the end portion of one arm extends downward toward one of the side portions of the primary spectacle frame for hooking on the primary spectacle frame such that the auxiliary spectacle frame can be further stably supported and secured to the primary spectacle frame.

31. An eyeglass device as recited in claim 25 wherein the first and the second magnetic members are magnets.

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32. An eyeglass device as recited in claim 26 wherein the first and the second magnetic members are magnets.

33. An eyeglass device as recited in claim 27 wherein the first and the second magnetic members are magnets.

34. An eyeglass device comprising:

a primary frame for supporting primary lenses therein;
the primary spectacle frame including two side portions;
each side portion having an extension extended therefrom for
pivotally coupling a leg thereto; and
the primary spectacle frame including two first magnets, each secured
to one of the side portions of the primary frame; and

an auxiliary frame for supporting auxiliary lenses therein, and for
disposing in front of the primary frame;

the auxiliary spectacle frame including two auxiliary side
portions; and

the auxiliary frame including two second magnets, each secured to one
of the auxiliary side portions, for coupling on a horizontal position with one of
the first magnets so as to secure the auxiliary frame to the primary frame.

35. An eyeglass device comprising:

a primary frame for supporting primary lenses therein;
the primary spectacle frame including two side portions;
each side portion having an extension extended therefrom for pivotally
coupling a leg thereto; and
the primary spectacle frame including two first magnetic members, each
secured to one of the side portions of the primary frame; and

an auxiliary frame for supporting auxiliary lenses therein, and for
disposing in front of the primary frame;

the auxiliary spectacle frame including two auxiliary side
portions; and

the auxiliary frame including two second magnetic members, each
secured to one of the auxiliary side portions, for coupling on a horizontal
position, but not in contact, with one of the first magnets so as to secure the
auxiliary frame to the primary frame.

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